

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference ZL03828006	FOR FURTHER ACTION	See Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CN2005/000975	International filing date (<i>day/month/year</i>) 04/07/2005	(Earliest) Priority Date (<i>day/month/year</i>) 28/02/2005
Applicant Li Yadong, etc.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the Report

a. With regard to the **language**, the international search was carried out on the basis of:

☒ the international application in the language in which it was filed.

☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☐ as suggested by the applicant

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention

b. ☐ none of the figures is to be published with the abstract

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

It is a type of fracture-proof flat clasping floorboard strips. Along both the long and the short sides of such strip (1), there is slot mortise (11) on one side and tenon (12) on the other side. The upper surface of the slot mortise (11) is parallel to and has the same height with the upper surface of the tenon (12). In the lower surface of the slot mortise there is a V-shaped groove (115) while a convexity (123) is arranged on the lower surface of the tenon. The front end of the convexity (123) together with the external surface of the slot mortise (11) forms an anti-self-locking oblique plane, which forms Angle α with the upper surface of the strip. The rear end of the convexity (123) fits perfectly with the external side surface of the V-shaped groove (115) and forms a self-locking plane, which forms Angle β with the upper surface of the strip. These strips can be assembled into the fracture-proof flat clasping flooring with the tenon (12) in one strip inserted into the slot mortise (11) in another.

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A. CLASSIFICATION OF SUBJECT MATTERIPC⁷ E04F15/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷ E04F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

China Patent Documentations, China Journal Full Text Database

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, PAJ

floor, floorboard strip, joint, embed, composite, assembly, component, movable, tenon, slot mortise, angle

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN1328611A (Valeri Louvat 瓦莱里·鲁瓦), 26/12/2001, full text	1-4
A	CN2499486Y (Zhang Haiding, Yuan Xiaoping), 10/07/2002, full text	1-4
A	CN2585928Y (Yang Shu), 12/11/2003, full text	1-4
A	US2002017071 A1 (DEVIVIDC), 14/02/2002, full text	1-4
A	EP1273737A2 (PREMARK RWP HOLDINGS INC), 08/1/2003, full text	1-4
A	EP1213407A1 (POLIFACE COMPONENTES E SISTEMAS PARAMOB), 06/12/2002, full text	1-4

☐ Further documents are listed in the continuation of Box C.
☒ See patent family annex.

* Special categories of cited documents:

“A” document defining the general state of the art which is not considered to be of particular relevance

“E” earlier application or patent but published on or after the international filing date

“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

“O” document referring to an oral disclosure, use, exhibition or other means

“P” document published prior to the international filing date but later than the priority date claimed

“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

“&” document member of the same patent family

Date of the actual completion of the international search

10/11/2005

Date of mailing of the international search report

08/12/2005

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Form PCT/ISA/210 (second sheet) (April 2005)

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Information on patent family members

International Application No.

PCT/CN2005/000975

Patent documents cited in the report	Publication date	Patent family members	Publication date
CN1328611A	26/12/2001	WO0028171A1	18/5/2000
		FR2785633A1	12/5/2000
		AU200011653A	29/5/2000
		US6216409B1	17/4/2001
		EP1131515A1	12/9/2001
CN2499486Y	10/7/2002	None	
CN2585928Y	12/11/2003	None	
US2002017071A1	14/2/2002	US6581351B2	24/6/2003
EP1273737A2	08/1/2003	None	
EP1213407A1	06/12/2002	None	